

Applicant : David E. Wolf
Serial No. : 10/706,687
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Attorney's Docket No.: 04037-011002

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Listing of Claims:

1. (Original) An article comprising:
a core; and
a selectively permeable coating enclosing said core, said coating comprising a monodisperse polymer.
2. (Original) The article of claim 1, wherein said polymer has a molecular weight of from about 1,000 to about 60,000 Da.
3. (Original) The article of claim 1, wherein said polymer has a molecular weight of from about 1,000 to about 10,000 Da.
4. (Original) The article of claim 1, wherein said polymer has a molecular weight of from about 1,000 to about 4,000 Da.
5. (Original) The article of claim 1, wherein said polymer comprises from about 10 to about 300 monomer units.
6. (Original) The article of claim 1, wherein said polymer comprises from about 10 to about 40 monomer units.
7. (Original) The article of claim 1, wherein said polymer comprises from about 20 to about 30 monomer units.
8. (Original) The article of claim 1, wherein said polymer is selected from the group consisting of homopolymers and heteropolymers.

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9. (Original) The article of claim 1, wherein said polymer is selected from the group consisting of homopolyamino acids, heteropolyamino acids, homooligonucleotides and heterooligonucleotides.

10. (Original) The article of claim 1, wherein said polymer comprises amino acids selected from the group consisting of D-amino acids, L-amino acids and combinations thereof.

11. (Original) The article of claim 1, wherein said polymer comprises a polyamino acid having a length of from about 10 to about 300 amino acids.

12. (Original) The article of claim 1, wherein said polymer comprises a polyamino acid having a length of from about 10 to about 30 amino acids.

13. (Original) The article of claim 1, wherein said polymer comprises a polyamino acid.

14. (Original) The article of claim 1, wherein said polymer comprises a polylysine.

15. (Original) The article of claim 1, wherein said core comprises a hydrogel.

16. (Original) The article of claim 1, wherein said core comprises a gel selected from the group consisting of alginate, agar, collagen, chitosan, gelatin, and combinations thereof.

17. (Original) The article of claim 1, wherein said core comprises a gel selected from the group consisting of polyacrylamide, polyacrylate, polymethacrylate, and combinations thereof.

18. (Original) The article of claim 1, wherein said core comprises an aqueous solution.

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19. (Original) The article of claim 1, further comprising a second selectively permeable coating on said first coating, said second coating comprising a monodisperse polymer.

20. (Original) The article of claim 19, wherein said monodisperse polymer of said second coating is different from the monodisperse polymer of said first coating.

21. (Original) The article of claim 1, wherein said coating further comprises a second monodisperse polymer.

22-62. (Cancelled)